Commencement
SOCIAL MEDIA
Whether you are a #UFGrad or you are here to celebrate a #UFGrad, we invite you to join the commencement conversation on social media. Select tweets will be featured on the video boards prior to and after the ceremony.

PHOTOGRAPHS
The university requests that all commencement guests remain in their seats while taking photographs; no guests are permitted in the graduates’ seating area. Photographs of the graduates as they cross the stage are available through companies that have contracts with the university. Color photographs are available from University Photography, PO Box 2454, Tuscaloosa, AL 35403-2454, 205-391-9500.

COMMENCEMENT PROGRAM
Additional copies of this commencement program are available while supplies last at the UF Bookstore for a $1 donation to the Machen Florida Opportunity Scholars program, which helps fund a UF education for low-income students who are first in their family to attend college. The commencement program can be ordered online with an additional charge for shipping and handling.

THIS IS NOT AN OFFICIAL GRADUATION LIST
While every effort is made to ensure accuracy in this commencement program, printing deadlines may result in omission of some names and use of names of persons not completing graduation requirements as intended. This printed program, therefore, should not be used to determine a student’s academic or degree status. The university’s official registry for conferral of degrees is the student’s permanent academic record as reflected on the student’s transcript, maintained by the Office of the University Registrar.

HONOR DESIGNATIONS
Honors designations in this program are incomplete, tentative, may not properly represent a student’s academic accomplishment and are subject to change. Final honors designation will be represented on the official diploma and on the transcript.
Greetings from the President

On behalf of the University of Florida, our faculty and our entire university community, I would like to extend my deepest congratulations to you, the Doctoral Graduates of 2017.

Today’s ceremony celebrates your remarkable accomplishment in earning a doctoral degree from one of the world’s leading research institutions. I applaud you for your years dedicated to in-depth scholarship, thoughtful analysis and meticulous presentation of your findings. I join you in thanking your faculty advisor, mentors and the family and friends who have supported you in your journey to reach this day.

Today is a day for celebration, and also for reflection on your future. Whether you choose to pursue a career in academe, the private sector, government or the nonprofit world, I am confident that the research and analysis skills you honed as a doctoral student will serve you well. The complexity and global nature of today’s professional opportunities demand nothing less.

The university has benefited from your research work, teaching, insights and discoveries, and we are grateful to you for your time here. We hope you will recall these years fondly, and that you will remain connected to UF as active members of our distinguished alumni.

Good luck, best wishes, and Go Gators!

W. Kent Fuchs

University of Florida President

Dr. W. Kent Fuchs

Dr. Kent Fuchs became the 12th president of the University of Florida in January 2015. Under President Fuchs’ leadership, the university has developed shared goals for the decade ahead. UF’s overarching aspiration is to be a premier comprehensive university that the state, nation and world look to for leadership.

President Fuchs came to UF from Cornell University, where he served as provost. He also served as dean of the Cornell College of Engineering. Before that, he was the head of the School of Electrical and Computer Engineering at Purdue University and a professor in the Department of Electrical and Computer Engineering and the Coordinated Science Laboratory at the University of Illinois. President Fuchs is a fellow of the American Academy of Arts and Sciences; the American Association for the Advancement of Science; the Institute of Electrical and Electronics Engineers and the Association for Computing Machinery. He earned his doctoral degree in electrical engineering from the University of Illinois. He holds a master’s degree in divinity from Trinity Evangelical Divinity School and a bachelor’s degree from Duke University.
University of Florida Leadership

State Board of Education
Pam Stewart
Commissioner of Education
Marva Johnson
Chair
Andy Tuck
Vice Chair

Florida Board of Governors
Marshall M. Criser III
Chancellor
Pam Stewart
Commissioner of Education
Thomas G. Kuntz
Chair
Ned C. Lautenbach
Vice Chair

University of Florida Board of Trustees
James W. “Bill” Heavener
Chair
Morteza “Mori” Hosseini
Vice Chair

Deans of the University
R. Elaine Turner, Ph.D.
College of Agricultural and Life Sciences
Lucinda Lavelli, M.F.A.
College of the Arts
John Kraft, Ph.D.
Warrington College of Business
A. Isabel Garcia, D.D.S., M.P.H.
College of Dentistry
Chimay Anumba, Ph.D.
College of Design, Construction and Planning
Glenn E. Good, Ph.D.
College of Education
Cammy R. Abernathy, Ph.D.
Herbert Wertheim College of Engineering
Henry T. Frierson, Ph.D.
The Graduate School
Michael Reid, Ph.D.
College of Health and Human Performance
Nick Place, Ph.D.
IFAS Extension
Jacqueline Burns, Ph.D.
IFAS Research

President and Vice Presidents of the University
W. Kent Fuchs, Ph.D.
President
Joseph Glover, Ph.D.
Provost and Senior Vice President - Academic Affairs
David S. Guzick, M.D., Ph.D.
Senior Vice President - Health Affairs
Jack Payne, Ph.D.
Senior Vice President - Agriculture and Natural Resources
Charles E. Lane, D.P.A.
Senior Vice President and Chief Operating Officer - Administration
Jane Adams, B.S.
Vice President - University Relations
Elias G. Eldayrie, M.B.A.
Vice President and Chief Information Officer - Information Technology
Zina Evans, Ph.D.
Associate Provost and Vice President - Enrollment Management
Michael V. McKee, B.S.
Vice President and Chief Financial Officer - Finance
Jodi Gentry, M.A.
Vice President - Human Resource Services
Amy M. Haas, J.D.
Interim Vice President - General Counsel
David Parrott, Ed.D.
Vice President - Student Affairs
Thomas J. Mitchell, M.S.
Vice President - Advancement
David Norton, Ph.D.
Vice President - Research
Curtis Reynolds, M.B.A., M.S.E.E.
Vice President - Business Affairs

Leonardo Villalón, Ph.D.
International Center
Diane H. McFarlin, B.S.
College of Journalism and Communications
Laura A. Rosembury, J.D.
Fredric G. Levin College of Law
David E. Richardson, Ph.D.
College of Liberal Arts and Sciences
Michael L. Good, M.D.
College of Medicine
Anna M. McDaniel, Ph.D., R.N.
College of Nursing
Julie A. Johnson, Pharm.D.
College of Pharmacy
Michael G. Perri, Pharm.D.
College of Public Health and Health Professions
James W. Lloyd, D.V.M., Ph.D.
College of Veterinary Medicine
Judith C. Russell, M.S.
University Libraries
Heather White, Ph.D.
Interim Dean of Students
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Duane A. Mitchell

Duane Mitchell is the Phyllis Kottler Friedman Professor in the Lillian S. Wells Department of Neurosurgery at the University of Florida. Dr. Mitchell was born and raised in New Jersey and graduated from Rutgers College in New Brunswick, NJ, in 1993 with a bachelor’s degree in biology.

During his undergraduate years, he became interested in pursuing a career as a physician-scientist and attended Duke University as a fellow in the Medical Scientist Training Program (MSTP). Dr. Mitchell graduated in 2001 from Duke with a medical degree and Ph.D. in immunology. His dissertation research focused on the biology of tumor antigen presentation by host antigen presenting cells.

Dr. Mitchell stayed at Duke for post-graduate training in pathology and neuro-oncology research and then joined the faculty in 2005 as an assistant professor. Over the next eight years, he focused his career on translational research efforts to develop novel immunotherapy treatments for patients with malignant brain tumors.

During that time, Dr. Mitchell led several first-in-human clinical trials investigating novel immunotherapies for brain cancer in pediatric and adult patients that were developed in his laboratory. In 2013, Dr. Mitchell was recruited to the University of Florida to lead a comprehensive brain tumor program focused on translational research.

He is the co-director of the Preston A. Wells, Jr. Center for Brain Tumor Therapy at UF, director of the UF Brain Tumor Immunotherapy Program, and associate chair of research for the Lillian S. Wells Department of Neurosurgery. Dr. Mitchell currently serves as a chartered member of the NIH study section on Cancer Immunopathology and Immunotherapy, as the chair of the NCI Pediatric Brain Tumor Consortium Immunotherapy Committee, and as a gubernatorial appointee to the Florida Center for Brain Tumor Research Scientific Advisory Council.

He has authored more than 80 scientific articles, chapters and reviews, is inventor on nine filed U.S. patents, and is the co-founder of a biotechnology company developing novel treatments for patients with primary and metastatic brain cancer. He has received numerous awards and recognition for his scientific accomplishments including the 2016 Top 10 Clinical Research Achievement Award from the Clinical Research Forum in Washington, D.C.

Dr. Mitchell has been invited to serve on several scientific advisory boards and to speak on neuro-oncology and cancer immunotherapy topics in local, national and international venues. His work is supported by the Department of Defense, the National Cancer Institute, the National Institute of Neurologic Diseases and Stroke, and several private funding agencies.

Dr. Mitchell met his wife of 18 years, Michelle Mitchell, during his sophomore year at Rutgers College. Michelle received her MBA from Duke University and currently works as global services manager for IBM. They currently live in Gainesville with their three sons, Anthony (age 9), Brandon (age 7), and Austin (age 3).
**UF Graduate School**

The reputation of a research university is, in large part, measured by the excellence of its graduate faculty and graduate students. The University of Florida’s graduate faculty and graduate students help to push the boundaries of research, develop the technologies of the future, improve the health of our citizenry, reshape our social and economic culture, expand scholarship, and create beauty in many forms.

**Doctor of Philosophy**

The Doctor of Philosophy degree was established in the late 19th century as the highest earned degree in American graduate schools. This degree program, which stresses competence in research, awards the credential most commonly held by college professors and researchers. Although requirements of the doctorate vary from one institution to another, certain prerequisites are typical: coursework, a qualifying examination, an approved dissertation and a final examination. Doctoral students work closely with a major professor who serves as an advisor, mentor, critic, confidant and promoter.

**Doctor of Education**

The Doctor of Education degree was introduced at the University of Florida in the mid-1940s. This degree is conferred in recognition of the development of sound scholarship in professional education and closely related fields, and demonstrated ability to apply that knowledge as an administrator, supervisor or teacher. Requirements vary by discipline but generally include coursework, a qualifying examination, the completion of a dissertation and final examinations. Students are mentored by a major professor and supported by a supervisory committee comprising members of the graduate faculty.

**Doctor of Audiology**

The Doctor of Audiology degree was first awarded to students at the University of Florida in 2000. This degree is the highest university award given in this field in recognition of completion of academic preparation for the clinical practice of audiology. The degree requires four years of study beyond the bachelor’s degree, including academic coursework, supervised clinical experiences, yearly academic and clinical evaluation by the faculty, and a final examination.

**Doctor of Plant Medicine**

The Doctor of Plant Medicine degree was established at the University of Florida in 1999 to provide all segments of agriculture with rapid, accurate and scientifically sound diagnoses and management strategies for all types of plant health problems. This multidisciplinary program consists of courses and practical training in all relevant departments. Students are trained in the science, practice and business of the profession of plant medicine and complete coursework and written and oral comprehensive examinations.

**Doctor of Physical Therapy**

The Doctor of Physical Therapy degree is a professional doctoral program that prepares graduates to become entry-level physical therapists and was established at the University of Florida in 2005. The degree requires three years of coursework and clinical practicum beyond the bachelor’s degree. Completion of the program enables graduates to sit for the licensure examination to practice physical therapy.

**Doctor of Nursing Practice**

The Doctor of Nursing Practice degree is a professional doctoral program that began admitting students in 2006 at the University of Florida. The degree prepares advanced practice nurses with the knowledge, skills and abilities needed in today’s complex health care environment. It produces advanced-practice nurses with educational background comparable to health care practitioners in other fields.

**Doctor of Business Administration**

The Doctor of Business Administration degree is a professional doctorate that emphasizes the application of theory to actual business issues. Established in 2014, the DBA program aims to integrate the theory and practice of business with the context of current issues that the business world faces. The DBA program helps candidates develop proficiency in applied research by improving their methodological and analytical skills. Participants who successfully complete the program will be equipped to teach in higher education, consult, or be industry experts.
Graduate School

Henry T. Frierson, Associate Vice President and Dean of the Graduate School

Doctor of Philosophy

Manal Othman Abuagela
Major: Food Science
Dissertation: Inactivation of Aflatoxins B₁, B₂ in Peanuts by Pulsed Light (Pl)
Dissertation Chair: P. J. Sarnoski

Bahroz Muhammed Saleh Ahmed
Major: Animal Sciences
Dissertation: Elevated in utero Temperature: A Suppressor of Fetal Development and Ruminant Fitness?
Dissertation Chair: G. E. Dahl

Tural N. Akhmedov
Major: Chemistry
Dissertation Chair: R. K. Castellano

Raniah M. Al Mufarreh
Major: Linguistics
Dissertation: To Drive or Not to Drive: A Critical Analysis of Saudi Female Advocates’ Discourse
Dissertation Chair: D. Boxer

Derek L. Allen
Major: Forest Resources and Conservation
Dissertation: Valuing Payments for Forest Water Yield
Dissertation Chair: D. Adams

Pablo Esteban Allen Monge
Major: Entomology and Nematology
Dissertation: Consequences of Environmental and Genetic Stress on the Male Weapons of Narnia femorata (Hemiptera: Coreidae)
Dissertation Chair: C. W. Miller

Ashwini K. Amarasinghe
Major: Mathematics
Dissertation: On Acyclicity Properties of Complements of Subsets in the Hilbert Cube
Dissertation Chair: A. N. Dranishnikov

Marvin J. Andujar
Major: Human-Centered Computing
Dissertation: Improving Attention in Learning Tasks with Quantified-Self Feedback from a Brain-Computer Interface
Dissertation Chair: J. E. Gilbert

Andrew Antolic
Major: Pharmaceutical Sciences—Pharmacodynamics
Dissertation: Increased Maternal Cortisol Concentrations in Late Gestation Adversely Affects Fetal and Neonatal Development
Dissertation Chair: M. Keller-Wood

Jeffrey Matthew Arciola
Major: Chemistry
Dissertation: Identification and Characterization of Enzymes along the DNJ Biosynthetic Pathway
Dissertation Chair: N. A. Horenstein
Zoë Selina Arthursorn-McColl  
Major: **Criminology, Law, and Society**  
Dissertation: Human Intelligence Interviewing with the Scharff Technique  
Dissertation Chair: L. M. Levett

Akira Asada  
Major: **Health and Human Performance**  
Dissertation: Effects of Relative Size and Homogeneity of Sport Fan Base in Sport Consumer Socialization  
Dissertation Chair: Y. J. Ko

Michael W. Ashton  
Major: **Materials Science and Engineering**  
Dissertation: Computational Methods for the Discovery and Characterization of Two-Dimensional Materials  
Dissertation Chair: S. B. Sinnott

Muharrem Ayar  
Major: **Electrical and Computer Engineering**  
Dissertation: Towards Resilient Smart Grids: Robust Control Framework Design to Enhance Transient Stability  
Dissertation Chair: H. A. Latchman  
Dissertation Co-chair: J. Y. McNair

Nilanjan Banik  
Major: **Physics**  
Dissertation: Role of Axions in Structure Formation in the Universe  
Dissertation Chair: P. Sikivie

Yanmin Bao  
Major: **Linguistics**  
Dissertation: The Acquisition of Sociolinguistic Variation: Effects of a Short-Term Study Abroad Sojourn on Second Language Learners of Chinese  
Dissertation Chair: H. Blondeau

Ali Barikroo  
Major: **Communication Sciences and Disorders**  
Dissertation: Comparing the Effects of a Novel versus Existing Transcutaneous Electrical Stimulation Protocol on Lingual Palatal Peak Pressure and Pressure Duration during Swallowing in Healthy Older Adults  
Dissertation Chair: M. A. Crary

Caleb Shuan Chia Barrett  
Major: **Materials Science and Engineering**  
Dissertation: Investigation of Antiphase Domain Boundary Energetics in GaAs-on-Si(001)  
Dissertation Chair: K. S. Jones

Megan A. Barthle  
Major: **Counseling Psychology**  
Dissertation: Project FEED-A: Food Exposures for Eating Disorders in Adults  
Dissertation Chair: G. J. Neimeyer  
Dissertation Co-chair: J. P. McNamara

Akash K. Basak  
Major: **Chemistry**  
Minor: **Pharmaceutical Sciences**  
Dissertation: Synthetic Efforts to Develop Novel Antibacterial Agents That Eradicate Persistent Biofilms  
Dissertation Chair: R. W. Huigens III

Abhinandan Batra  
Major: **Rehabilitation Science**  
Dissertation: Non-Invasive Monitoring of Disease Progression in Duchenne Muscular Dystrophy and Collagen VI Myopathy  
Dissertation Chair: K. H. Vandenborne
Lauren Christine Bayliss
Major: Mass Communication
Dissertation: Mediated Food Cues: Using Subjective Message Construct Theory to Understand Food and Nutrition Communication
Dissertation Chair: J. Raup-Krieger

Yanina Becco
Major: Romance Languages—Spanish
Dissertation: Dictadura, memoria y trauma: El teatro cómo experiencia de identidad colectiva y de resistencia en Argentina y España durante la dictadura y la posdictadura
Dissertation Chair: L. Álvarez-Castro

Brittney Leigh Beck
Major: Curriculum and Instruction
Dissertation: Inappropriate, Disruptive, and against Common Sense: The Minoritization of Teacher Candidates
Dissertation Chair: E. Bondy

Teresa Benítez
Major: Mechanical Engineering
Dissertation: Modeling Spatial and Temporal Frost Formation with Distributed Properties on Extended Surfaces Using the Orthogonal Collocation Method
Dissertation Chair: S. A. Sherif

Aaron Beveridge
Major: English
Dissertation: Writing Macroscopes: Networked Writing, Digital Content, and Data Science
Dissertation Chair: S. I. Dobrin

Poushali Bhadury
Major: English
Dissertation: Nationalism and Global Consciousness in (Post)Colonial Print Culture: Deb Sahitya Kutir and Bengali Children’s Publishing (1940-1964)
Dissertation Chair: K. B. Kidd

Abhishek Bhattacharjee
Major: Statistics
Dissertation: Identifying Active Factors in Multi Factor Trials and Empirical Bayes Intervals for the Selected Mean
Dissertation Chair: S. S. Wu
Dissertation Co-chair: M. Ghosh

Gabriela Maxine Blohm
Major: Zoology
Dissertation: Ecology and Evolution of Vector-Borne Viruses: Empirical and Mathematical Approaches to Understanding the Persistence of Clinically Important Arboviruses
Dissertation Chair: J. M. Ponciano Castellanos

Tania Sultana Bonny
Major: Public Health
Dissertation: Refinement and Integration of PCR-Based Detection and Classic Virus Isolation Methods for Improved Aerovirology, Arbovirology, and Infection Control Virology Risk Assessments
Dissertation Chair: J. Lednicky

Mackenzie Jane Boyer
Major: Agricultural and Biological Engineering
Dissertation: Residential Irrigation and Responses to Conservation Measures in Florida
Dissertation Chair: M. D. Dukes
Ziynet Boz Ozdemir
Major: Agricultural and Biological Engineering
Dissertation: Utilizing Pressure to Enhance Permeation for Applications in Modified Atmosphere Packaging
Dissertation Chair: B. A. Welt

Sandra Jean Brown
Major: Rehabilitation Science
Dissertation: Examination of the Application of Applied Behavior Analysis Principles on a Child’s Participation in Rehabilitation from the Perspective of the Therapist
Dissertation Chair: C. T. Myers

Maeve Amanda Kubik Budi
Major: Materials Science and Engineering
Dissertation: The Role of Phase Connectivity in Multiferroic Ceramic Nanomaterials
Dissertation Chair: J. Andrew

Weijing Cai
Major: Pharmaceutical Sciences—Medicinal Chemistry
Dissertation: Drug Discovery and Development of Natural Products from Marine Cyanobacteria as Anticancer Agents and Growth Factor Modulators
Dissertation Chair: H. Luesch

Dawn Renee Calibeo
Major: Entomology and Nematology
Dissertation: An Integrated Pest Management Strategy for Nylanderia fulva in Florida
Dissertation Chair: F. M. Oi

Shantrel Shaneka Canidate-Moore
Major: Public Health
Dissertation: Examining Treatment-Related Outcomes and Success among Hazardous Drinking Women with HIV Infection
Dissertation Chair: G. D. Carnaby

Joshua James Carey
Major: Curriculum and Instruction
Dissertation: Social Studies Educators’ Sense Making Experiences of Civic Education in a Climate of High Stakes Testing
Dissertation Chair: E. A. Washington

Julia K. Carmody
Major: Psychology—Clinical and Health Psychology
Dissertation: Longitudinal Health-Related Quality of Life in Adolescents with Inflammatory Bowel Disease
Dissertation Chair: D. Janicke

Lucas Paul Carnohan
Major: Entomology and Nematology
Dissertation: Evaluating the Potential of 20-Hydroxyecdysone as a Termiticide for Use in Subterranean Termite Baiting Systems, with Comparison to Noviflumuron
Dissertation Chair: N. Su

María Cristina Carrasquilla Ferro
Major: Entomology and Nematology
Dissertation: Reproductive Interference and Spermathecal Use in Invasive Mosquito Vectors
Dissertation Chair: L. P. Lounibos
Dissertation Co-chair: J. Rey

Williams Martins Castro
Major: Geography
Dissertation: The Last Agricultural Frontier in Amazonia, Impacts on Landscapes and Smallholders
Dissertation Chair: R. T. Walker
Seungwoo J. Chang
  Major: Agricultural and Biological Engineering
  Dissertation: Quantifying the Relative Uncertainties of Changes in Climate, and Water Demand for Water Supply Planning
  Dissertation Chair: W. D. Graham
  Dissertation Co-chair: C. J. Martinez

Sudeshna Aloke Chatterjee
  Major: Rehabilitation Science
  Dissertation: Measurement of Sympathetic Nervous System Activity to Objectively Assess the Perceived Challenge of Walking during Complex Walking Tasks after Stroke
  Dissertation Chair: D. J. Clark

Yujing Chen
  Major: Religion
  Dissertation: The Worship of Medicine Master Buddha in Medieval China
  Dissertation Chair: M. Poceski

Mun Wye Chng
  Major: Horticultural Sciences—Environmental Horticulture
  Dissertation: Flowering of Bougainvillea ‘Afterglow’, Environmental Triggers and Their Hormonal Responses
  Dissertation Chair: K. A. Moore

Yeongbae Choe
  Major: Health and Human Performance
  Dissertation: Designing A Destination Management System
  Dissertation Chair: D. R. Fesenmaier

Daeun Choi
  Major: Agricultural and Biological Engineering
  Dissertation: Development of Intelligent Vision Sensing Systems to Support Precision Agriculture Practices in Florida Citrus Production
  Dissertation Chair: W. S. Lee

Abigail Susan Clark
  Major: Fisheries and Aquatic Sciences
  Dissertation: Pathogen, Host, and Environmental Dynamics: A Case Study of Panulirus argus Virus 1 in Caribbean Spiny Lobsters
  Dissertation Chair: D. C. Behringer Jr.
  Dissertation Co-chair: T. B. Waltzek

Ronald L. Claypool
  Major: Philosophy
  Dissertation: Locke on Ideas
  Dissertation Chair: S. D. R. Duncan

Natalie Jean Coers
  Major: Agricultural Education and Communication
  Dissertation: Agriculture on Mission: A Phenomenological Study of NGO Executive Leaders in International Agricultural Development
  Dissertation Chair: N. L. P. Stedman

Colleen Therese Cole Jeffrey
  Major: Medical Sciences—Physiology and Pharmacology
  Dissertation: Cardiopulmonary Protective Role of Probiotics and the ACE2/Ang-(1-7)/Mas Axis of the Renin-Angiotensin System
  Dissertation Chair: P. P. Sayeski
  Dissertation Co-chair: M. K. Raizada
Gustavo Kenneth Contreras Munoz  
Major: Electrical and Computer Engineering  
Dissertation: Design for (Secure) Test Methods for Modern SoCs  
Dissertation Chair: M. M. Tehranipoor  
Dissertation Co-chair: D. J. Forte

Andrew S. Cordar  
Major: Computer Science  
Dissertation: Using Mixed Reality Humans to Improve Communication Skills  
Dissertation Chair: B. Lok

Janelle Faye Coyle  
Major: Microbiology and Cell Science  
Dissertation: Exploring Molecular Mechanisms of Pathogenesis of Liberibacter asiaticus in the Plant-Microbe Interaction  
Dissertation Chair: C. F. Gonzalez

Chris Smith Crawford Jr.  
Major: Human-Centered Computing  
Dissertation: Applying Block-Based Programming to Neurofeedback Application Development  
Dissertation Chair: J. E. Gilbert

Judit Csérsny  
Major: Medical Sciences—Immunology and Microbiology  
Dissertation: Development of Nanoparticle-Coupled Regulatory T Cell Vaccine for Type 1 Diabetes  
Dissertation Chair: T. M. Brusko

Rachelle Curcio  
Major: Curriculum and Instruction  
Dissertation: The Relationship between Attending a Shared Learning Experience and Educative Mentoring Interactions and Learning in the Final Internship  
Dissertation Chair: A. J. Adams

Nasiru Mohammed Danmowa  
Major: Soil and Water Science  
Dissertation: Fate and Transport of Nitrogen Forms, Phosphorus and Pesticides in Soils from Humid Subtropical Florida and Semiarid Tropical Nigeria  
Dissertation Chair: P. Nkedi-Kizza  
Dissertation Co-chair: J. W. Jawitz

Arnob Das Gupta  
Major: Mechanical Engineering  
Dissertation: Study of Turbulent Flow Control Using Serpentine Plasma Actuator  
Dissertation Chair: S. Roy

Chintan V. Dave  
Major: Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy  
Dissertation: Health Outcomes Related to Statin Medications  
Dissertation Chair: A. G. Hartzema

Tahlia N. DeMaio  
Major: Astronomy  
Dissertation: Intracluster Light in Galaxy Groups and Clusters  
Dissertation Chair: A. H. Gonzalez

Lindsey Graham DeRatt  
Major: Chemistry  
Dissertation: Late Transition Metal-Catalyzed Activation of Alkynes  
Dissertation Chair: A. Aponick
Pritesh Desai
Major: Medical Sciences—Immunology and Microbiology
Dissertation: Molecular and Cellular Signals Orchestrating CD8 T Cell Immune Responses against Respiratory Viral Infection
Dissertation Chair: S. Salek-Ardakani

Agnish Dey
Major: Mathematics
Dissertation: Collapsing of Non-Homogeneous Markov Chains
Dissertation Chair: M. Rao

Naa Amponsah Dodoo
Major: Mass Communication
Dissertation: The Duality of Traits and Goals: An Examination of the Interplay between Consumer Personality and Regulatory Focus in Predicting Consumer Responses to Social Media Ads
Dissertation Chair: C. R. Morton Padovano

Selçuk Dogan
Major: Curriculum and Instruction
Minor: Research and Evaluation Methodology
Dissertation: The Relationship between the Quality of Professional Development and Effective Instruction: The Mediating Role of School-Based Professional Communities
Dissertation Chair: A. J. Adams

Maxim Sergeyevich Dolinsky
Major: Business Administration—Finance
Dissertation: Corporate Financial Leverage: Firm vs. Industry Effects
Dissertation Chair: A. Naranjo

Matthew R. Dommel
Major: Plant Molecular and Cellular Biology
Dissertation: Transcription Regulation of the Plant Immune Transcription Coactivator NPR1
Dissertation Chair: Z. Mou

Mark Calvin Donop
Major: Anthropology
Dissertation: Bundled Ancestor: The Palmetto Mound (8LV2) on the Florida Gulf Coast
Dissertation Chair: K. E. Sassaman Jr.
Dissertation Co-chair: N. J. Wallis

Juan Du
Major: Curriculum and Instruction
Dissertation: Chinese Engineers’ Perceptions of Their Writing Needs and Difficulties in an English Dominated Workplace
Dissertation Chair: D. Fu

Nicholas J. Dunbar
Major: Mechanical Engineering
Dissertation: Patient Customizable Knee Model for Intraoperative Planning of Uni- and Bi-Compartmental Knee Arthroplasty
Dissertation Chair: S. A. Banks

Justin P. Dunnivant
Major: Anthropology
Dissertation: Representation, Heritage, and Archaeology among the Wolaita of Ethiopia
Dissertation Chair: S. A. Brandt

Eugene Michael Dunne
Major: Psychology—Clinical and Health Psychology
Dissertation Chair: N. E. Whitehead
Akshita Ranjan Dutta
Major: Chemical Engineering
Dissertation: Diffusion in Strongly Confining and Interacting Microporous Sorbents
Dissertation Chair: S. Vasenkov
Dissertation Co-chair: K. J. Ziegler

John Russell Echols
Major: Materials Science and Engineering
Dissertation: Design and Use of a High Heat Flux Device for Exposing Tungsten to Fusion-Relevant Conditions and Evaluating Surface Effects of Exposure
Dissertation Chair: A. L. Winfrey

Helen Charlotte Emerson
Major: Agricultural Education and Communication
Dissertation Chair: B. E. Myers

James A. Estrada
Major: Agronomy
Dissertation: Mechanisms Underlying Cogongrass (Imperata cylindrica) Invasions
Dissertation Chair: S. Flory

Ahmed Hassan Fahmy
Major: Electrical and Computer Engineering
Dissertation: Mixed-Signal IC Design for Interfacing with Peripheral Nervous System
Dissertation Chair: R. Bashirullah
Dissertation Co-chair: N. Maghari

Elizabeth Alice Fehlberg
Major: Nursing Sciences
Dissertation: Bio-Physiologic Risk Factors, the Influence of Policy, and the Process of Nursing Care: Exploring Hospital-Acquired Falls using a Mixed Methods Approach
Dissertation Chair: R. J. Lucero
Dissertation Co-chair: A. M. McDaniel

Crystal Andrea Felima
Major: Anthropology
Dissertation: Within and against Critical Mortality: An Anthropological Study of the State, Vulnerability, and Hope through Disaster Narratives in Cap-Haitien, Haiti
Dissertation Chair: F. V. Harrison

Pedro Luis Fernández-Cabán
Major: Civil Engineering
Dissertation: The Spatial Variation of Wind Pressures on Low-Rise Buildings with Upwind Terrain Surface Roughness
Dissertation Chair: F. J. Masters

Karin Grace Fields
Major: Counseling and Counselor Education
Dissertation: A Phenomenological Look at Nesting to Prepare for Adoptive Motherhood
Dissertation Chair: S. L. Smith

Oscar Figueroa III
Major: Materials Science and Engineering
Dissertation: Design of High Strength Shame Memory Alloys in the Ni-Ti-Ga Ternary System
Dissertation Chair: M. V. Myers
Amanda Lee Ford  
Major: Nutritional Sciences  
Minor: Agricultural Education and Communication  
Dissertation: The Effects of a High-Protein Diet with a Prebiotic and Multi-Strain Probiotic on Microbiota, Gastrointestinal Function and Wellness in Older Women  
Dissertation Chair: W. J. Dahl

Jerrine Theresa Taniesha Foster  
Major: Environmental Engineering Sciences  
Dissertation Chair: T. H. Boyer

Steven J. Foti  
Major: Curriculum and Instruction  
Minor: Research and Evaluation Methodology  
Dissertation: High School Students’ Understanding of Variability  
Dissertation Chair: T. Jacobbe

Christopher E. Fouche  
Major: Religion  
Dissertation: Acquired Tastes: Virtue, Community, and Eating Ethically  
Dissertation Chair: A. Peterson

Johanna E. Freeman  
Major: Forest Resources and Conservation  
Dissertation: Beyond Historical References: Managing Longleaf Pine Savannas for Function and Resilience in the Anthropocene  
Dissertation Chair: S. A. Bohlman  
Dissertation Co-chair: L. N. Kobziar

Anthony Wood Frei  
Major: Biomedical Engineering  
Dissertation: The Local Release of Immunomodulatory Agents in the Context of Islet Transplantation  
Dissertation Chair: C. Stabler Anderson

Alyssa M. Fritz  
Major: Psychology—Clinical and Health Psychology  
Dissertation: The Impact of Parental Psychological Distress and Functioning on Children with Cystic Fibrosis: Assessing Adherence, Lung Function, and Quality of Life  
Dissertation Chair: D. A. Fedele  
Dissertation Co-chair: D. Janicke

Amanda M. Garcia  
Major: Psychology—Clinical and Health Psychology  
Dissertation: Functional Activation and Connectivity of the Semantic Network in Older Adults  
Dissertation Chair: R. M. Bauer  
Dissertation Co-chair: R. A. Cohen

Lauren A. Gay  
Major: Medical Sciences—Immunology and Microbiology  
Dissertation: Targets and Functions of Kaposi’s Sarcoma-Associated Herpesvirus MicroRNAs in Endothelial Cells  
Dissertation Chair: R. F. Renne

Hermes Gerardo-Cuervo  
Major: Agricultural and Biological Engineering  
Dissertation: Understanding the Relationship between Vegetation Indices and Climate Variability in Sugarcane in Florida  
Dissertation Chair: C. W. Fraisse
Randi K. Gill-Sadler
Major: English
Dissertation: Diasporic Dissonance: Black Women’s Literature, U.S. Imperialism and the Black Diaspora
Dissertation Chair: D. W. King

Akiko M. Goen
Major: School Psychology
Dissertation: Family Engagement and Families’ Perceptions of Professionals’ Family-Centered Practices among Head Start Families
Dissertation Chair: T. M. Smith-Bonahue

Ryan Michael Goetz
Major: Physics
Dissertation: A Low Loss Faraday Isolator for Squeezing Injection in Advanced LIGO
Dissertation Chair: D. B. Tanner

Mohammed Mansour Hamada Gomaa
Major: Design, Construction, and Planning
Dissertation: Developing an Analytical Framework to Identify the Tipping Points of Sea Level Rise Adaptation Strategies: A Case Study of Miami-Dade County, Florida
Dissertation Chair: Z. Peng
Dissertation Co-chair: K. I. Frank

Tracey Graham
Major: Anthropology
Dissertation: Sandy Island, an African American Diaspora Gullah Community
Dissertation Chair: I. P. McClaurin

Shanyue Guan
Major: Civil Engineering
Minor: Electrical and Computer Engineering
Dissertation: Smart Radar Sensor for Structural Health Monitoring
Dissertation Chair: J. A. Rice

Joseph Michael Gullett
Major: Psychology—Clinical and Health Psychology
Dissertation: White Matter and Disturbed Sleep in Veterans with Posttraumatic Stress Disorder and Traumatic Brain Injury
Dissertation Chair: R. M. Bauer

Alican Gulsevin
Major: Chemistry
Dissertation: A Comparative Analysis of the Principles behind Alpha 7 Nicotinic Acetylcholine Receptor Function
Dissertation Chair: N. A. Horenstein

Jennifer Nicole Haddock
Major: Psychology
Dissertation: Predicting Treatment Effects for Problem Behavior Maintained by Automatic Reinforcement
Dissertation Chair: B. A. Iwata

Nahal Hakim
Major: Design, Construction, and Planning
Dissertation: Traffic Crash Analysis of Older Drivers: The Effect of Urban Form Characteristics
Dissertation Chair: I. Bejleri

John J. Hames
Major: Anthropology
Dissertation: The People Who Stand Up for Pulaar Activism and Language Loyalty Politics in Senegal and Mauritania
Dissertation Chair: A. Kane
Brian J. Hamm
Major: History
Dissertation: Between the Foreign and the Familiar: The Portuguese, the Inquisition, and Local Society in Cartagena de Indias, 1550-1700
Dissertation Chair: I. L. Altman
Dissertation Co-chair: N. Caputo

Jingyi He
Major: Research and Evaluation Methodology
Dissertation Chair: A. C. Manley

Lauren Elizabeth Hearn
Major: Psychology—Clinical and Health Psychology
Dissertation: An Examination of Patient Narratives as a Decision Making Tool for Early Stage Breast Cancer Surgery
Dissertation Chair: N. E. Whitehead
Dissertation Co-chair: D. B. Pereira

Phyllis J. Henderson
Major: Design, Construction, and Planning
Dissertation: The Origins of the Belvedere: Living in the Distant View of Landscape
Dissertation Chair: H. Zou
Dissertation Co-chair: C. L. Hailey II

Justin James Hendricks
Major: Sociology
Dissertation: Representation in Family Theory and Research: Complexity, Deleuze, and Semiotic Experimentation
Dissertation Chair: C. L. Shehan

Hanna Ann Herbst
Major: Astronomy
Dissertation: Dust-Reddened Quasars and Quasar Outflows
Dissertation Chair: F. Hamann III

David Hernando
Major: Civil Engineering
Dissertation: Localized Interface Debonding as a Potential Mechanism of Near-Surface Longitudinal Cracking in Asphalt Pavements
Dissertation Chair: R. Roque

Joshua P. Hiller
Major: Mathematics
Dissertation: On Some Variations of the Multistage Model of Carcinogenesis
Dissertation Chair: J. E. Keesling

Tanisha G. Hill-Jarrett
Major: Psychology—Clinical and Health Psychology
Dissertation: Attention Systems and Their Interaction following Traumatic Brain Injury: The Role of White Matter Changes in Frontoparietal Networks
Dissertation Chair: R. M. Bauer
Dissertation Co-chair: W. M. Perlstein

Ethan Daniel Holt
Major: Chemistry
Dissertation: Exploiting Photophysical Properties in Conjugated Chromophores for Organic Solar Cells
Dissertation Chair: K. S. Schanze
Dissertation Co-chair: R. K. Castellano
Ting-Wen Hsu  
Major: Sociology  
Dissertation Chair: C. L. Shehan  

Xiao Hu  
Major: Astronomy  
Dissertation: Inside-Out Planet Formation: Pebble Delivery and Planet-Disk Co-Evolution  
Dissertation Chair: J. C. Tan  

Xiaodan Hu  
Major: Higher Education Administration  
Minor: Leadership Development  
Dissertation: The Impact of Performance-Based Funding on Community College Retention and Completion in Louisiana  
Dissertation Chair: D. F. Campbell  
Dissertation Co-chair: J. C. Ortagus  

Yang Hu  
Major: Electrical and Computer Engineering  
Dissertation: Towards Emerging Data Center Architecture in Internet of Things Era  
Dissertation Chair: T. Li  

Yue Hu  
Major: Environmental Engineering Sciences  
Dissertation Chair: T. H. Boyer  

Fang-Yi Huang  
Major: Sociology  
Dissertation Chair: C. W. Peek IV  

Laibin Huang  
Major: Soil and Water Science  
Dissertation: Microbial Community Structures Related to Nitrogen Cycling in Subterranean Estuaries  
Dissertation Chair: A. V. Ogram  

Qiuyuan Huang  
Major: Electrical and Computer Engineering  
Dissertation: Cooperative Networking: Enabling Technology for Smart Communication  
Dissertation Chair: D. Wu  

Tien-Yu Huang  
Major: Electrical and Computer Engineering  
Dissertation: Noninvasive Measurement and Analysis of Cardiorespiratory Movement of Laboratory Rat Using Nonlinear Doppler Phase Demodulation Effect  
Dissertation Chair: J. Lin  

Yuanwen Huang  
Major: Computer Engineering  
Dissertation: System-on-Chip Vulnerability Analysis and Mitigation Techniques  
Dissertation Chair: P. K. Mishra
Stephen P. Jennewein  
Major:  Soil and Water Science  
Dissertation:  Determining Management Effects on Soil Gas Flux, Microbial Biomass, and Crop Yield in the Everglades Agricultural Area  
Dissertation Chair:  S. H. Daroub  
Dissertation Co-chair:  J. Bhadha

Brandon T. Jett  
Major:  History  
Dissertation:  African Americans and the Police in the Jim Crow South, 1900-1945  
Dissertation Chair:  J. S. Adler

Kaiyuan Jiang  
Major:  Biomedical Engineering  
Dissertation:  Local Modification of Polydimethylsiloxane-Based Scaffold Implants to Improve Islet Graft Efficacy and Modulate Host Response  
Dissertation Chair:  C. Stabler Anderson

Yifan Jin  
Major:  Chemistry  
Dissertation:  Ionization Potential Improved Consistent Density Functional Theory  
Dissertation Chair:  R. J. Bartlett

Tae Seung Kang  
Major:  Computer Science  
Dissertation:  Learning Feedforward and Recurrent Deterministic Spiking Neuron Network Feedback Controllers  
Dissertation Chair:  A. Banerjee

YoungJu Kang  
Major:  Curriculum and Instruction  
Dissertation:  A Comparative Study of Game-Based Online Learning in Music Appreciation: An Analysis of Student Motivation and Achievement  
Dissertation Chair:  A. D. Ritzhaupt

Christy Karabetian  
Major:  Psychology—Clinical and Health Psychology  
Dissertation:  The Effect of Obesity on Accelerometry-Measured Physical Activity following Surgery for Gynecologic Malignancies  
Dissertation Chair:  D. B. Pereira

Robert Anthony Karam  
Major:  Electrical and Computer Engineering  
Dissertation Chair:  S. Bhunia

Eutychus Mukure Kariuki  
Major:  Entomology and Nematology  
Dissertation:  Impact, Field Host Range, and Vertical Foraging Range of Cricotopus lebetis Sublette (Diptera: Chironomidae), a Biological Control Agent of Hydrilla verticillata [L.f] Royle (Hydrocharitaceae)  
Dissertation Chair:  R. L. Hix  
Dissertation Co-chair:  J. P. Cuda

Ethan L. Kennon  
Major:  Materials Science and Engineering  
Dissertation:  Behavior of Highly Te Doped InGaAs  
Dissertation Chair:  K. S. Jones
Ari Kim  
Major: Health and Human Performance  
Minor: Marketing  
Dissertation: Understanding Domains and Roles of Fit in Sport Event Sponsorship  
Dissertation Chair: H. J. Gibson

Bethy Kim  
Major: Chemistry  
Dissertation: Investigation of Photophysical Properties for Poly(Phenylene Ethynylene)-Based Conjugated Polyelectrolytes via Chain-Growth Polymerization  
Dissertation Chair: K. S. Schanze  
Dissertation Co-chair: L. A. McElwee-White

Changki Kim  
Major: Health and Human Performance  
Dissertation: Visual Load and Motor Control in Older Adults  
Dissertation Chair: E. A. Christou

Han Kyul Kim  
Major: Health and Human Performance  
Dissertation: Influence of Sex and Exercise Intensity on Acute Vascular Responses to Aerobic Exercise in Young Adults  
Dissertation Chair: D. D. Christou

Min Hyun Kim  
Major: Nutritional Sciences  
Dissertation: Regulation and Function of Zinc and Zinc Transporters during ER Stress  
Dissertation Chair: R. J. Cousins

Taewook Kim  
Major: Electrical and Computer Engineering  
Dissertation: Continuous-Time Delta-Sigma Modulators with Enhanced Noise-Shaped Quantizer  
Dissertation Chair: N. Maghari

Kevin D. Kircheval  
Major: Veterinary Medical Sciences  
Dissertation: Utilizing the Asialoglycoprotein Receptor to Target Hepatocellular Carcinoma for Magnetically Mediated Energy Delivery Therapy Using Iron Oxide Nanoparticles  
Dissertation Chair: S. M. Roberts

Richard Anthony Klein  
Major: Psychology  
Dissertation: Many Labs 4: Investigating Effects of Researcher Expertise on Replication Outcomes  
Dissertation Chair: K. Ratliff

Kumudu Priyadarshani Perera Kopyiyawattage  
Major: Agricultural Education and Communication  
Dissertation: Perspectives of Food Producers regarding Food Production in Urban Areas  
Dissertation Chair: T. G. Roberts II  
Dissertation Co-chair: L. A. Warner

Anastasia Kozak  
Major: English  
Dissertation: From Linguists to Engineers: Universalism and New Translation Paradigms in the Digital Age  
Dissertation Chair: T. A. Harpold

Anil Kumar Chaudhary  
Major: Agricultural Education and Communication  
Dissertation: The Effects of County and State Faculty Networking on the Attitude toward Evaluation and Evaluation Practices of County Faculty Members  
Dissertation Chair: G. D. Israel
Michael W. Kwan
Major: Materials Science and Engineering
Dissertation: Development of Samarium Oxide Based Approach to Radiopharmaceutical Treatment of Osteosarcoma
Dissertation Chair: C. D. Batich

Melissa Hope Laitner
Major: Psychology—Clinical and Health Psychology
Dissertation Chair: M. G. Perri

Emily Helen Lakes
Major: Biomedical Engineering
Dissertation: Knee Meniscus Structure-Function Relationships at the Tissue and Joint Level
Dissertation Chair: K. Allen

Marie Jennifer Lauture
Major: Forest Resources and Conservation
Dissertation: Reinvigorating Oleoresin Collection in the Southeast USA: Evaluation of Chemical Inducers, Stand Management, Tree Characteristics, and Genetics
Dissertation Chair: G. F. Peter

Andrew S. Layne
Major: Health and Human Performance
Dissertation: Skeletal Muscle Adaptations to Low-Load Resistance Exercise Combined with Blood Flow Restriction in Older Adults with Knee Osteoarthritis
Dissertation Chair: P. A. Borsa
Dissertation Co-chair: T. W. Buford

Christian Erik Legler
Major: Curriculum and Instruction
Dissertation: E-Mentoring Novice Science Teachers through University-Sponsored Online Induction: A Self-Study
Dissertation Chair: A. J. Adams

Yuanyuan Leng
Major: Microbiology and Cell Science
Dissertation: Regulation of RNase E-Mediated Turnover of Non-Coding sRNAs CsrB/C
Dissertation Chair: T. Romeo

Trevor Anthony Lentz
Major: Rehabilitation Science
Dissertation: Advancing the Understanding of Healthcare Utilization and Costs among Patients with Musculoskeletal Pain
Dissertation Chair: S. George

Alexandra L. Lenzen
Major: Counseling Psychology
Dissertation: Labeling Sexism and Bystander Intervention: An Intervention Study
Dissertation Chair: B. Moradi

Janelle Elizabeth Letzen
Major: Psychology—Clinical and Health Psychology
Dissertation: The Effects of Mood on Functional Brain Connectivity in Low Back Pain Patients during Resting-State
Dissertation Chair: M. E. Robinson

Eshe Lyndzie Lewis
Major: Anthropology
Dissertation: Violence for the Record: Afro-Peruvian Women's Accounts of Intimate Partner Violence
Dissertation Chair: F. V. Harrison
Chengcheng Li
Major: Animal Molecular and Cellular Biology
Dissertation: Equine Skeletal Muscle Mitochondrial Function and Regeneration Capacity
Dissertation Chair: S. Wohlgemuth

Jian Li
Major: Medical Sciences—Immunology and Microbiology
Dissertation: Aberrant Innate Immunity Contributes to Dysregulated Adaptive Immune Responses in Patients with Crohn's Disease
Dissertation Chair: S. C. Glover

Liguang Li
Major: Soil and Water Science
Dissertation: Molecular Characterization of Composition and Sources of Dissolved Organic Nitrogen in Agricultural Catchments
Dissertation Chair: Z. He

Meiyu Li
Major: Electrical and Computer Engineering
Dissertation: Wavelet-Transform-Based Vital Signs Detection Using 5.8 GHz Continuous Wave Doppler Radar
Dissertation Chair: J. Lin

Yuan Li
Major: Chemical Engineering
Dissertation: The Mechanics of Nuclear Shaping in Cell
Dissertation Chair: T. Lele

Zhangbo Li
Major: Materials Science and Engineering
Dissertation: Effect of Neutron Irradiation and Thermal Aging on Cast Austenitic Stainless Steel and Stainless Steel Weld Phase Stability
Dissertation Chair: Y. Yang

Wanggi Lim
Major: Astronomy
Dissertation: Dust and Gas in the Cradles of Star Formation
Dissertation Chair: J. C. Tan

Tian Lin
Major: Psychology
Dissertation: Effects of Face Attractiveness on Face Memory: An Adult Developmental Perspective
Dissertation Chair: N. C. Ebner

Chao Liu
Major: Design, Construction, and Planning
Dissertation: Exploring Urban PM2.5 Pollution Burdens and Planning Strategies Using Data Mining and System Modeling Methods
Dissertation Chair: Z. Peng

Fujun Liu
Major: Electrical and Computer Engineering
Dissertation: Robust Pathology Image Processing Methods and Applications in Computer-Aided Diagnosis and Prognosis Systems
Dissertation Chair: L. Yang

Jing Liu
Major: Biostatistics
Dissertation: Improving Power for Testing Genetic Effects on Binary and Survival Outcomes Using Auxiliary Information
Dissertation Chair: S. S. Wu
Yen Li Loh
Major: English
Dissertation Chair: M. J. Schueller

Nikhil Dnyaneshwar Londhe
Major: Mechanical Engineering
Dissertation: Rolling Contact Fatigue Life Investigation of Through and Case Hardened Bearing Steels Using Experimental Testing and Finite Element Modelling
Dissertation Chair: N. K. Arakere

Marina Londres
Major: Forest Resources and Conservation
Dissertation: Comparing Livelihood and Local Resource Use Strategies among Traditional Populations in the Amazon: Towards Adapting Sustainable Development Policies to Local Needs
Dissertation Chair: G. Barnes
Dissertation Co-chair: M. C. Schmink

Benjamin M. Looney
Major: Medical Sciences—Immunology and Microbiology
Dissertation: Altered Beta Cell Innate Immune Response to Terminal Deletion Coxsackievirus B3
Dissertation Chair: M. J. Clare-Salzler

Alana G. Lord
Major: History
Dissertation: Constructing Royal Power: Host Desecration and Kingship in the Fourteenth-Century Crown of Aragon
Dissertation Chair: N. Caputo
Dissertation Co-chair: B. Effros

Artemis S. Louyakis
Major: Microbiology and Cell Science
Dissertation: Characterizing the Molecular Mechanisms Contributing to Biologically Induced Carbonate Mineralization and Thrombolite Formation
Dissertation Chair: J. S. Foster

Nargiza Ludgate
Major: Interdisciplinary Ecology
Dissertation: Gender Roles in Household Water Resource Management in Water-Scarce Countries: Does Greywater Treatment Technology Empower Rural Women in Jordan?
Dissertation Chair: S. L. Russo
Dissertation Co-chair: T. Borisova

Jingzhe Ma
Major: Astronomy
Dissertation: The Formation and Evolution of High-Redshift Dusty Galaxies
Dissertation Chair: A. H. Gonzalez
Dissertation Co-chair: J. Ge

Mohamad Fadhli bin Mad Atari
Major: Horticultural Sciences
Dissertation: Optimization of Regeneration and Transformation for Diploid Strawberry Fragaria vesca Genotype 5AF7
Dissertation Chair: K. M. Folta

Brittany Rife Magalis
Major: Medical Sciences—Biochemistry and Molecular Biology
Dissertation: Evolutionary Dynamics and Phyloanatomy of Intra-Host HIV/SIV Subpopulations during Disease Progression
Dissertation Chair: M. Salemi
Mary Ann Dy Maquilan
Major: Horticultural Sciences
Dissertation: Rootstock Breeding for Resistance to the Peach Root-Knot Nematode *Meloidogyne floridensis*
Dissertation Chair: M. A. Olmstead
Dissertation Co-chair: J. X. Chaparro

Emily Lynn Marshall
Major: Biomedical Engineering
Dissertation: Monte Carlo Organ Dose Calculations for Pediatric Patients Undergoing Fluoroscopy Procedures
Dissertation Chair: W. E. Bolch

Madison Elizabeth Martin
Major: Nuclear Engineering Sciences
Dissertation: Computational Design of Short Pulse Laser Driven Iron Opacity Measurements at Stellar Relevant Conditions
Dissertation Chair: S. Goluoglu

Thomas P. Martin Jr.
Major: Materials Science and Engineering
Dissertation: Effects of Ultra-Thin Germanium Layers at the Silicon-Oxide Interface during Oxidation Reactions on Injection of Interstitials
Dissertation Chair: K. S. Jones

Jose R. Martinez
Major: Special Education
Dissertation: The Effects of a Modified Peer-Mediated Intervention on the Peer-Related Social Competence Skills of Young Children with Autism Spectrum Disorder
Dissertation Chair: M. A. Conroy

Jude Naser Masannat
Major: Medical Sciences—Physiology and Pharmacology
Dissertation: βArrestin 2 Mediates Renal Cell Carcinoma Tumor Growth and Metastasis
Dissertation Chair: Y. Daaka

Todd Allen McCardle
Major: Curriculum and Instruction
Dissertation: Race Tracks: How African American Mainstream High School Students Discuss Their Educational and Career Aspirations
Dissertation Chair: S. G. Terzian

John Paul McCary
Major: Environmental Engineering Sciences
Dissertation: Value of High Frequency Water Use Data for Evaluating Peak Water Use, Leaks, and Breaks on the Customer Side of the Meter
Dissertation Chair: J. Heaney

Jame Elizabeth McCray
Major: Wildlife Ecology and Conservation
Dissertation Chair: R. R. Carthy
Dissertation Co-chair: S. Jacobson

Melvin Rothchild McCray IV
Major: Mechanical Engineering
Dissertation: Form-Finding of a Compliant T-4 Tensegrity Mechanism
Dissertation Chair: C. D. Crane III

Dennis O’Keith McLeod II
Major: Counseling Psychology
Dissertation: Help Me? An Intervention to Enhance Mental Health Help Seeking
Dissertation Chair: G. J. Neimeyer
Lana Jeannine McMillan  
Major: Genetics and Genomics  
Dissertation: Oxidative Stress in Archaea: Proteome Responses and Characterization of an Inorganic Pyrophosphatase That Drives E1-Like Activation of Ubiquitin-Like Protein Modification  
Dissertation Chair: J. A. Maupin

Sarah Clark Mead  
Major: Psychology  
Dissertation: Evaluation of a Functional Analysis Screening Procedure for Aggression  
Dissertation Chair: B. A. Iwata  
Dissertation Co-chair: T. R. Vollmer

Xiaowei Mei  
Major: Business Administration—Information Systems and Operations Management  
Dissertation: Three Essays on Economics of Information Systems  
Dissertation Chair: H. Cheng

Kokila U. Mendis  
Major: Political Science  
Dissertation: Problematizing Multiculturalism: Race and the Integration Experiences of Swedish Women of Color  
Dissertation Chair: L. E. Anderson

Ana Maria Mesa Guarin  
Major: Animal Sciences  
Dissertation: Environmental And Physical Stressors Influence Reproductive Function In Horses And Pigs  
Dissertation Chair: C. J. Mortensen

Timoteo R. Mesh  
Major: Anthropology  
Dissertation: The Maya Struggle of Southern Belize: Alcaldeship and State Craft  
Dissertation Chair: M. M. Stoilkova

Allison Sydney Metz  
Major: Psychology  
Dissertation: The Impact of Indulgent Parenting in Childhood and Adolescence on College Students’ Autonomy and Self-Regulation  
Dissertation Chair: J. A. Graber

Andrew Jesse Milluzzi  
Major: Electrical and Computer Engineering  
Dissertation: Optimizations for Heterogeneous Computing  
Dissertation Chair: J. G. Harris

Dulce María Minaya Caba  
Major: Psychology  
Dissertation: Effect of Constant Light or Dark Exposure on Food Intake, Spontaneous Locomotor Activity, and Body Composition in Mice  
Dissertation Chair: N. E. Rowland  
Dissertation Co-chair: L. Knackstedt

Mona Sadat Mirehie  
Major: Health and Human Performance  
Minor: Sociology  
Dissertation: Trajectory of Women’s Participation in Active Sport Tourism and Sense of Well Being: A Case of Snow Skiing and Boarding  
Dissertation Chair: H. J. Gibson
Carolyn Elaine Mitten  
Major:  Curriculum and Instruction  
Dissertation:  Novice Teachers’ Evolving Formative Assessment Knowledge and Practice for Teaching Mathematics  
Dissertation Chair:  T. Jacobbe

Marissa Selena Molinar  
Major:  Anthropology  
Dissertation:  Drawing the World: Coso Range Archaic Rock Art as Performance, Community, and Cosmology  
Dissertation Chair:  K. E. Sassaman Jr.

Eduardo Monteiro Gelcer  
Major:  Agricultural and Biological Engineering  
Dissertation:  Tools to Reduce Climate Risk for Tomato Production in Mozambique  
Dissertation Chair:  C. W. Fraisse  
Dissertation Co-chair:  L. Zotarelli

Jihwan Moon  
Major:  Business Administration—Marketing  
Dissertation:  Pricing as Communication and Strategic Response  
Dissertation Chair:  S. M. Shugan

Leonardo Simões de Barros Moreno  
Major:  Agronomy  
Dissertation:  Modeling Regrowth Dynamics of Two Contrasting Forage Grasses in Response to Shade and Nitrogen Fertilization  
Dissertation Chair:  K. J. Boote  
Dissertation Co-chair:  L. E. Sollenberger

Jolande L. Morgan  
Major:  Educational Leadership  
Dissertation Chair:  R. C. Wood

Elise S. Morrison  
Major:  Soil and Water Science  
Dissertation:  Microbial Community Dynamics along Peatland Nutrient Gradients  
Dissertation Chair:  A. V. Ogram  
Dissertation Co-chair:  B. L. Turner

Louis Michel Marie Mouterde  
Major:  Chemistry  
Dissertation Chair:  J. D. Stewart

Lindsay Jordan Mullenix  
Major:  Materials Science and Engineering  
Dissertation:  Evaluation of Solution Heat Treatment and Creep Properties of CMSX-8 B/C for Industrial Gas Turbines  
Dissertation Chair:  G. E. Fuchs

Jennifer M. Mundt  
Major:  Psychology—Clinical and Health Psychology  
Dissertation:  An Examination of Pain’s Relationship to Sleep Fragmentation and Disordered Breathing across Common Sleep Disorders  
Dissertation Chair:  M. E. Robinson
Mayara Mari Murata
Major: Plant Pathology
Dissertation: Study of Grapefruit Cybrids with Improved Citrus Canker Resistance
Dissertation Chair: J. H. Graham Jr.

Ryan Patrick Murray
Major: Materials Science and Engineering
Dissertation: The Effect of Ion Implantation on the Structural and Electronic Properties of Molybdenum Disulfide
Dissertation Chair: K. S. Jones

Jiyoun Myung
Major: Statistics
Dissertation Chair: M. Ghosh

Soufiane Stephane Nadif
Major: Chemistry
Dissertation: Trianionic Pincer Ligands: Proton Storage within a Pyrrolide Pincer-Type Ligand and Ynene Metathesis Leading to Stereoregular Cyclic Polymers
Dissertation Chair: A. S. Veige

Bradley Joseph Nartowt
Major: Physics
Dissertation: Thermal and Electrical Nonlinear Currents Driven through a Nano-Bridge Bearing an Electron-Phonon Interaction
Dissertation Chair: K. A. Muttalib

Fernanda Nascimento de Paula e Silva
Major: Coastal and Oceanographic Engineering
Dissertation: Tidal and Subtidal Wave-Current Interactions in a Mixed Energy Tidal Inlet
Dissertation Chair: A. Valle-Levinson

Robert Nedbor-Gross
Major: Environmental Engineering Sciences
Dissertation: A New Meteorological Model Evaluation Technique Based on Air Quality Driving Features
Dissertation Chair: B. H. Henderson

Veronica M. Negron Perez
Major: Animal Molecular and Cellular Biology
Dissertation: Differentiation and Development of the Bovine Blastocyst
Dissertation Chair: P. J. Hansen

Natalie Genevieve Nelson
Major: Agricultural and Biological Engineering
Dissertation: Quantifying the Spatiotemporal Importance of Fresh-Brackish Water Quality Drivers Using Data Analytics and Models
Dissertation Chair: R. Munoz-Carpena

Mason J. Newark
Major: Plant Pathology
Dissertation: Examining Risk Factors of Stagonosporopsis spp Epidemics in Watermelon Production; Fungicide Resistance and Corresponding Population Genetics
Dissertation Chair: N. S. Dufault
Dissertation Co-chair: M. Paret
Gareth R. Newman  
Major: Nuclear Engineering Sciences  
Dissertation: Evaluation of Nuclear Data Libraries through GCFR-Proteus Benchmarking  
Dissertation Chair: A. Enqvist

Erica N. Newport  
Major: Mass Communication  
Dissertation: Three Years after Trayvon Martin’s Death: Is Political Alienation Shifting across Disparate Racial/Ethnic Group Residents of Sanford, Florida?  
Dissertation Chair: W. M. Wanta

Ethan Ririe Nielsen  
Major: Horticultural Sciences  
Dissertation: Exploitation of Pummelo (Citrus maxima (Burm.) Merrill) through Breeding, Ploidy Manipulation, and Interstocks for Improvement of Cultivated Citrus  
Dissertation Chair: J. W. Grosser

Jera Elizondo Niewoehner-Green  
Major: Agricultural Education and Communication  
Dissertation: Creating Space for Her Voice: Factors That Influence the Participation of Rural Women in Leadership Roles in Western Honduras  
Dissertation Chair: N. L. Stedman

Kenneth A. Noble  
Major: Curriculum and Instruction  
Dissertation: Policing the Hallways: The Origins of School-Police Partnerships in Twentieth Century American Urban Public Schools  
Dissertation Chair: S. G. Terzian

Anna Evangeline Normand  
Major: Soil and Water Science  
Minor: Extension Education  
Dissertation: Global Drivers of Peatland Soil Carbon Chemical Composition and Greenhouse Gas Production  
Dissertation Chair: K. R. Reddy  
Dissertation Co-chair: M. W. Clark

Matthew D. Norton  
Major: Industrial and Systems Engineering  
Dissertation: Buffered Probability of Exceedance and Application to Machine Learning and Network Optimization  
Dissertation Chair: S. Uryasev

Therese Kennelly Okraku  
Major: Anthropology  
Dissertation Chair: C. McCarty

Alberto Ortega Jr.  
Major: Economics  
Dissertation: Essays on Political Economy and Education  
Dissertation Chair: R. E. Romano

Aylin Ozdes  
Major: Psychology  
Dissertation: Effect of Mental Time Travel on Healthy Choices in Adulthood  
Dissertation Chair: N. C. Ebner
Mehmet Özdes  
Major: Geography  
Dissertation: Savanna Vegetation Change in Protected Areas of Southern Africa  
Dissertation Chair: J. Southworth

Andrew S. Padgett  
Major: Physics  
Dissertation: Low Temperature Properties of Three Novel Quantum Solids  
Dissertation Chair: Y. Takano

Meenakshi Palaniappan  
Major: Counseling Psychology  
Dissertation: The Use of Computer Mediated Sexual Communication in Partnered Women  
Dissertation Chair: L. Mintz

Michelle Perdomo  
Major: Linguistics  
Dissertation: Second Language Production and Processing of Phrasal Verb Constructions: A Priming Study  
Dissertation Chair: E. Kaan

Arun Kumar Pokhrel  
Major: English  
Dissertation Chair: P. E. Wegner

Sushma V. Ponukumati  
Major: Plant Pathology  
Dissertation: Diagnostics, Genomics and Population Studies on Fusarium oxysporum Formae Speciales Associated with Ornamental Palms  
Dissertation Chair: M. L. Elliott  
Dissertation Co-chair: J. A. Rollins

Anastasia Haley Potts  
Major: Microbiology and Cell Science  
Dissertation: A Global Approach for a Global Regulator: Integrated Transcriptomics Reveals Regulatory Roles of the Post-Transcriptional Regulator CsrA  
Dissertation Chair: T. Romeo

Jason E. Purvis  
Major: Religion  
Dissertation: A ‘Circle in a Rectangle’: Native Evangelicals, Trans-Indigenous Networks, and The Negotiation between Legitimation and Evasion  
Dissertation Chair: R. Wright

Lee Nathaniel Purvis  
Major: School Psychology  
Dissertation: Algebra for All Policy within a Multi-Tiered System of Support Model and Effects on Achievement by Race/Ethnicity, Gender and Socio-Economic Status  
Dissertation Chair: D. J. Beaulieu  
Dissertation Co-chair: J. H. Kranzler

Md Tauhidur Rahman  
Major: Electrical and Computer Engineering  
Dissertation: Hardware-Based Security Primitives and Their Applications to Supply Chain Integrity  
Dissertation Chair: M. M. Tehranipoor
Rahul Rai  
Major: Chemical Engineering  
Dissertation: Growth, Characterization and Reactivity of Rutile IrO$_2$(100) and RuO$_2$(110) Thin Films  
Dissertation Chair: J. F. Weaver

Vidhya Ramaswamy  
Major: Materials Science and Engineering  
Dissertation: Local, Structural and Systemic Cues for Vascular Tissue Engineering  
Dissertation Chair: J. Allen

Aniruddh Ravindran  
Major: Biomedical Engineering  
Dissertation: A Novel Real-Time Neurofeedback Paradigm for Stroke Rehabilitation  
Dissertation Chair: A. Gunduz  
Dissertation Co-chair: J. J. Daly

Bradley Galloway Reaves  
Major: Computer Engineering  
Dissertation: Authentication Techniques for Heterogeneous Telephone Networks  
Dissertation Chair: P. Traynor

Tyeshia Lashae Redden  
Major: Design, Construction, and Planning  
Dissertation: Passing the Torch: Urban Apartheid and the 2016 Summer Olympics  
Dissertation Chair: K. E. Larsen

Kaycee Reese  
Major: School Psychology  
Dissertation: The Effect of Mirroring on the Social Engagement of Young Children with Autism Spectrum Disorder  
Dissertation Chair: T. M. Smith-Bonahue

Peter H. Rej  
Major: Anthropology  
Dissertation: Investigating the Impact of Culturally Relevant Measures of Stress on Telomere Length  
Dissertation Chair: C. J. Mulligan

Jessica M. Rex  
Major: Materials Science and Engineering  
Dissertation: Studies into a Novel Hydrophilic PVP-co-AAM Coating for Low Friction Biomedical Devices and Applications  
Dissertation Chair: S. S. Perry

Camila Ribeiro  
Major: Plant Molecular and Cellular Biology  
Dissertation: Multiple Roles of 6-Phosphogluconate Dehydrogenase in Maize Seed Development under Heat Stresses  
Dissertation Chair: A. M. Settles

Elizabeth Cannon Rich  
Major: Higher Education Administration  
Dissertation: Higher Education Participation during Incarceration and the Reduction of Post-Release Recidivism  
Dissertation Chair: J. C. Ortagus  
Dissertation Co-chair: D. Miller

Nadia Sofia Riera Faraone  
Major: Microbiology and Cell Science  
Dissertation: Characterization of Beneficial Bacteria within Citrus Rhizospheric Microbiome and Their Effect on Plant Immune Response  
Dissertation Chair: N. Wang
Tracey Ann Ritchie  
Major: Forest Resources and Conservation  
Dissertation: Developing and Measuring Systems Thinking Skills in Students and Teachers  
Dissertation Chair: M. C. Monroe

Ana Maria Rivera  
Major: Communication Sciences and Disorders  
Dissertation: Bilingual and Monolingual Performance on a Linguistic and Nonlinguistic Simon Task  
Dissertation Chair: L. J. Altmann

Diana Patricia Rojas Alvarez  
Major: Epidemiology  
Dissertation: Epidemiology and Transmission Dynamics of Arbovirus in Latin America  
Dissertation Chair: R. L. Cook  
Dissertation Co-chair: I. M. Longini

Alexis Rojas Briceño  
Major: Geology  
Minor: Geography  
Dissertation: Paleobiological Implications of the Post-Paleozoic Fossil Record of the Lingulide Brachiopods and Associated Faunas  
Dissertation Chair: M. Kowalewski

Krista A. Romita Grocholski  
Major: Astronomy  
Dissertation: Embedded Clusters in the Large Magellanic Cloud  
Dissertation Chair: E. A. Lada

Anand Ramotar Roopsind  
Major: Botany  
Dissertation: Sustainable Forest Management: The Role of Reduced Impact Logging for Timber and Environmental Sustainability  
Dissertation Chair: F. E. Putz

Christopher Wade Ross  
Major: Soil and Water Science  
Dissertation: A Region-Wide Analysis of Terrestrial Carbon Cycling Across “The Land of Pines”  
Dissertation Chair: S. Grunwald

Elham Sakhaee  
Major: Computer Engineering  
Dissertation: Joint Linear Inverse Problems with Sparse Solutions: Theory and Applications  
Dissertation Chair: A. Entezari

Aditi Dilip Satpute  
Major: Horticultural Sciences  
Dissertation: Differential Effect of Improved Citrus Rootstocks and the Nutrition on the Gene Expression of HLB-Infected ‘Valencia’ Sweet Orange Scion  
Dissertation Chair: J. W. Grosser

Sarah Kiley Schoff  
Major: Anthropology  
Dissertation: Estimating the Postmortem Interval in Florida: A Regional Validation Study Using Geospatial Analysis  
Dissertation Chair: M. W. Warren

Kyle Dwight Schulze  
Major: Mechanical Engineering  
Dissertation: The Contact Mechanics of Soft Surfaces: Cells, Gels, and Elastomers  
Dissertation Chair: W. G. Sawyer
Christopher T. Sege  
Major: Psychology—Clinical and Health Psychology  
Dissertation: Avoidance and Escape: Individual Differences in Defensive Behavior  
Dissertation Chair: P. J. Lang

Sunantha Sethuraman  
Major: Medical Sciences—Genetics  
Minor: Statistics  
Dissertation: Deregulation of Human Long Noncoding RNAs by Oncogenic Gamma-Herpesviral MicroRNAs  
Dissertation Chair: R. F. Renne

Landrew Samuel Sevel  
Major: Psychology—Clinical and Health Psychology  
Dissertation Chair: M. E. Robinson

Anne E. Sexton  
Major: Soil and Water Science  
Dissertation: Aquatic Vegetation Impacts on Sediment Composition, Phosphorus Pools, and Water Quality in South Florida Farm Canals  
Dissertation Chair: S. H. Daroub  
Dissertation Co-chair: J. Bhadha

Darbianne K. Shannon  
Major: Curriculum and Instruction  
Minor: Early Childhood Education  
Dissertation: Exploring Coach Teacher Interactions within a Practice-Based Coaching Partnership  
Dissertation Chair: E. Bondy  
Dissertation Co-chair: P. Snyder

Allyson E. Shea  
Major: Medical Sciences—Molecular Cell Biology  
Dissertation: Uropathogenic Escherichia coli Mechanisms of Intracellular Invasion  
Dissertation Chair: Y. Daaka

Runmin Shi  
Major: Statistics  
Dissertation: Statistical Computing Methods for Big Data Problems  
Dissertation Chair: M. Ghosh  
Dissertation Co-chair: F. Liang

Alireza Shojaei Kol Kachi  
Major: Design, Construction, and Planning  
Dissertation: Extending the Portfolio and Strategic Planning Horizon by Stochastic Forecasting of Unknown Future Projects: FDOT Case Study  
Dissertation Chair: I. Flood

Sinjini Sikdar  
Major: Biostatistics  
Dissertation: Statistical Methods for Analyzing Genomics Data  
Dissertation Chair: S. Datta

Minhazul Islam Sk  
Major: Computer Science  
Dissertation: Automatic Discovery of Latent Clusters in General Regression Models  
Dissertation Chair: A. Banerjee
Andrey Vladimirovich Skripnikov  
Major: Statistics  
Dissertation: Topics in Joint Estimation of Vector Autoregressive Models  
Dissertation Chair: G. Michailidis

Andrew D. Smith  
Major: Veterinary Medical Sciences  
Dissertation: Development of an Equine MRI Osteoarthritis Scoring System  
Dissertation Chair: A. J. Morton

Ley Cody Smith  
Major: Veterinary Medical Sciences  
Dissertation: Pro-Fibrogenic and Estrogen Receptor Signaling Pathways Interact in the Lung: Implication for Fibrotic Lung Disease  
Dissertation Chair: T. L. Sabo-Attwood  
Dissertation Co-chair: N. D. Denslow

Baobao Song  
Major: Mass Communication  
Dissertation: CSR Communications: Increasing Donations by Self-Construals with Emotion and Group Identification Appeals  
Dissertation Chair: M. A. Ferguson

Richard A. Stanton Jr.  
Major: Interdisciplinary Ecology  
Dissertation: Effects of Shrub Encroachment in Grass-Dominated Biomes on Vertebrate Communities  
Dissertation Chair: R. J. Fletcher Jr.  
Dissertation Co-chair: R. A. McCleery

Richard Deno Constantine Stelter  
Major: Astronomy  
Dissertation: Science-Driven Instrumentation: Image-Slicing Integral Field Spectroscopy, or, Measuring the Universe One Slice at a Time  
Dissertation Chair: S. S. Eikenberry

Bethany A. Stennett  
Major: Psychology  
Dissertation: The Effects of Simultaneous Cocaine and Alcohol Self-Administration on Striatal Glutamate  
Dissertation Chair: L. Knackstedt

Ian P. Stern  
Major: Physics  
Minor: Mechanical Engineering  
Dissertation: Microwave Cavities for Axion Dark Matter Detectors  
Dissertation Chair: D. B. Tanner

Natalie Katherine Stilwell  
Major: Veterinary Medical Sciences  
Dissertation: Ranaviruses in Aquaculture: Genetic Diversity, Improved Molecular Tools, and Experimental Analysis of Husbandry Factors Influencing Morbidity  
Dissertation Chair: T. B. Waltzek

Margo Anora Stoddard  
Major: Wildlife Ecology and Conservation  
Dissertation: Interaction of Landscape Structure, Artificial Light, and Predators on Risk Perceived by Beach Mice  
Dissertation Chair: L. C. Branch
Caroline Gayle Storer  
Major:  *Forest Resources and Conservation*  
Dissertation: Biological Invasions and Cryptic Diversity: Global Patterns of Genetic Variation in Pest Beetles  
Dissertation Chair: J. Hulcr

Carla Marie Strickland-Hughes  
Major:  *Psychology*  
Dissertation: Memory Training in Adulthood: Changing Memory and Self-Regulation  
Dissertation Chair: R. L. West

Hao Sun  
Major:  *Chemistry*  
Dissertation: Macromolecular Metamorphosis  
Dissertation Chair: B. S. Sumerlin

Jiaqi Sun  
Major:  *Computer Science*  
Dissertation: Reconstruction and Classification of Ensemble Average Propagator Fields from Under Sampled Data in (k,q)-space Using Dictionary Learning  
Dissertation Chair: B. C. Vemuri  
Dissertation Co-chair: A. Entezari

Syraj Syed  
Major:  *Higher Education Administration*  
Dissertation: Ways of Meaning-Making through Critical Change Events: A Journey through Faculty Change Narratives  
Dissertation Chair: D. F. Campbell  
Dissertation Co-chair: C. Haynes

Jingyin Tang  
Major:  *Geography*  
Dissertation: Rain Field Prediction in Land-Falling Tropical Cyclones: From a Spatio-Temporal Perspective using Ground-Based Doppler Weather Observations and Big-Spatial-Data Technologies  
Dissertation Chair: C. J. Matyas

Xueying Tang  
Major:  *Statistics*  
Dissertation: Bayesian Data Analysis under Shrinkage Priors  
Dissertation Chair: M. Ghosh  
Dissertation Co-chair: N. A. Bliznyuk

Chengcheng Tao  
Major:  *Civil Engineering*  
Dissertation: Optimization in Virtual Cement and Virtual Plant  
Dissertation Chair: F. J. Masters  
Dissertation Co-chair: C. C. Ferraro

Fahmyddin A’raaf Tauhid  
Major:  *Design, Construction, and Planning*  
Dissertation: Designing Cities for Tsunami Impact Mitigation: Evaluating Physical Planning using Structural Equation Models in Makassar City, Indonesia  
Dissertation Chair: C. Silver

I-Ting Teng  
Major:  *Chemistry*  
Dissertation: Development of DNA Aptamers for Human Liver Cancer and Neurodegenerative Diseases through Molecular Recognition  
Dissertation Chair: W. Tan
James D. Thomas
Major: Medical Sciences—Genetics
Dissertation: Disrupted Prenatal RNA Processing and Myogenesis in Congenital Myotonic Dystrophy
Dissertation Chair: M. S. Swanson

Dhanashree Thorat
Major: English
Dissertation: Melancholic Citizenship: Practices of Communal Grieving in a Time of Terror
Dissertation Chair: M. J. Schueller

George Paul Tiley
Major: Botany
Dissertation: Evolutionary Processes and Plant Genome Evolution
Dissertation Chair: J. G. Burleigh

Paula Tribulo
Major: Animal Molecular and Cellular Biology
Dissertation: WNT Signaling in the Preimplantation Bovine Embryo
Dissertation Chair: P. J. Hansen

Joanna Troufflard
Major: Anthropology
Dissertation: Relationship between Upland and Riverine Settlements in the Lower Amazon Region during Late Precolombian Times
Dissertation Chair: K. E. Sassaman Jr.

Ali Kemal Uncu
Major: Mathematics
Dissertation: Some Topics in Q-Series and Partitions
Dissertation Chair: A. Berkovich

Silvia Joao Vau
Major: Entomology and Nematology
Minor: Plant Pathology
Dissertation: Mi-1 Gene for Management of Root Knot Disease in Florida Field and Growth Chamber Evaluations
Dissertation Chair: D. W. Dickson

Camilo Vélez Cuervo
Major: Electrical and Computer Engineering
Dissertation: Engineering Micro-Magnetic Field Patterns for Microrobotics
Dissertation Chair: D. P. Arnold

Deven N. Vyas
Major: Anthropology
Dissertation: Genetic Inferences on Human Evolutionary History in Southern Arabia and the Levant
Dissertation Chair: C. J. Mulligan

Jeremy Alexis Magruder Waisome
Major: Civil Engineering
Dissertation: Evaluation of Asphalt Layer Interface Resistance to Bond Degradation through Repeated Load
Dissertation Chair: R. Roque
Dissertation Co-chair: M. Tia

Lu Wan
Major: Biomedical Engineering
Minor: Computer Engineering
Dissertation: Imaging Human Brain Functions in Single Individuals and in Groups of Interacting Individuals
Dissertation Chair: M. Ding
Jiliang Wang
Major: Chemistry
Dissertation: The Interaction between Perfluoro-Arynes and Conjugated Polymers and Its Application in Polymer Solar Cells
Dissertation Chair: K. S. Schanze
Dissertation Co-chair: R. K. Castellano

Xi Angie Wang
Major: Business Administration—Accounting
Dissertation Chair: J. W. Tucker

Yanyue Wang
Major: Chemistry
Dissertation: Engineering DNA Micelle Flares and Copolymers for Cancer Diagnosis and Therapy
Dissertation Chair: W. Tan

Yuting Wang
Major: Chemistry
Dissertation: Chemical Signaling in Nematodes and Interactions with Microorganisms
Dissertation Chair: R. A. Butcher

Martin P. Wegman
Major: Epidemiology
Dissertation: Comparative Effect of Managed Care on Quality and Utilization of Care for Medicaid Adults with Disabilities
Dissertation Chair: C. L. Striley
Dissertation Co-chair: E. A. Shenkman

Jing Taylor Wen
Major: Mass Communication
Dissertation: Facing Anger versus Fear: How Individuals Regulate Level of Control in Risk Communication
Dissertation Chair: J. D. Morris

Xiao Wen
Major: Electrical and Computer Engineering
Dissertation: On the Exploration of Electro-Infiltrated Magnetic Nanocomposites
Dissertation Chair: D. P. Arnold

Brittany Lauren Werch
Major: School Psychology
Dissertation: Sustained Implementation of BEST in CLASS Instructional Practices: A Follow-Up with Two Teacher Cohorts
Dissertation Chair: N. L. Waldron
Dissertation Co-chair: M. A. Conroy

Sarah Cathleen Westen
Major: Psychology—Clinical and Health Psychology
Dissertation: Adherence in Youth with Type 1 Diabetes on Multiple Daily Injections and Insulin Pump Therapy and Associated Psychological Factors
Dissertation Chair: D. Janicke

Karessa White
Major: Communication Sciences and Disorders
Dissertation: Cochlear NADPH Redox State and Antioxidant Defense in Mice
Dissertation Chair: S. Someya

Margaret Ellen White
Major: Medical Sciences—Genetics
Dissertation: Forced Induction of Differentiation in Osteosarcoma Tumor Initiating Cells
Dissertation Chair: S. C. Ghivizzani
William Cary Whiteford  
Major:  Design, Construction, and Planning  
Minor:  Real Estate  
Dissertation:  Can GeoDesign Save the World? A Framework and Methodology to Envision Smarter Cities  
Dissertation Chair:  C. Silver

Chris Hollister Wilson  
Major:  Interdisciplinary Ecology  
Dissertation:  Ecology and Management of Soil Carbon on Ranchlands of Florida, USA  
Dissertation Chair:  S. Flory

Tessa Elizabeth Gerth Wimberley  
Major:  Counseling Psychology  
Dissertation:  Perfectionism, Help-Seeking, and Self-Compassion  
Dissertation Chair:  L. Mintz

Allysha Powanda Winburn  
Major:  Anthropology  
Dissertation:  Skeletal Age Estimation in Modern European-American Adults: The Effects of Activity, Obesity, and Osteoarthritis on Age-Related Changes in the Acetabulum  
Dissertation Chair:  M. W. Warren

Brian James Wingender  
Major:  Materials Science and Engineering  
Dissertation:  Development of Collagen-Apatite Composite Materials with Lamellar Microstructure and Bone-Like Nanostructure for Use as Bone Tissue Engineering Scaffolds  
Dissertation Chair:  L. B. Gower

Shan Shan Wong  
Major:  Psychology—Clinical and Health Psychology  
Dissertation:  Assessing the Benefits of Photovoice on Quality of Life Outcomes in Patients and Caregivers Impacted by Pancreatic Cancer  
Dissertation Chair:  D. B. Pereira

Andrew Henry Woolum  
Major:  Business Administration—Management  
Dissertation:  Revisiting the Myth That Personality Does Not Affect Negotiation Outcomes: Emergent Effects in Bilateral Negotiations  
Dissertation Chair:  A. Erez

Wei Wu  
Major:  Agricultural and Biological Engineering  
Dissertation:  Fermentation of Carbohydrates in Switchgrass to Ethanol: Optimizing Pretreatment and Fermentation Conditions  
Dissertation Chair:  P. C. Pullammanappallil  
Dissertation Co-chair:  K. T. Shanmugam

Fuyong Xing  
Major:  Electrical and Computer Engineering  
Dissertation:  High-throughput Biomedical Image Computing for Digital Health  
Dissertation Chair:  L. Yang

Brittany Martin Xu  
Major:  Food Science  
Dissertation:  Assessing the Quality of Huanglongbing Symptomatic and Asymptomatic Orange Oils from Florida Hamlin and Valencia Oranges  
Dissertation Chair:  R. M. Goodrich
Suwa Xu  
Major: Biostatistics  
Dissertation: Learning High-Dimensional Bayesian Networks for General Types of Random Variables  
Dissertation Chair: F. Liang

Bidhyananda Yadav  
Major: Civil Engineering  
Dissertation: Direct Stream Hydrograph Prediction from Digital Elevation Model  
Dissertation Chair: K. Hatfield

Qie Yin  
Major: Business Administration—Finance  
Dissertation: The Speed of Adjustment to the Target Market Value Leverage Is Slower than You Think  
Dissertation Chair: J. R. Ritter

Syed Saoud Zaidi  
Major: Pharmaceutical Sciences—Pharmacy  
Dissertation: Does the Placenta Pose a Barrier to the Inhaled Corticosteroids?  
Dissertation Chair: G. Hochhaus

Ke Zhang  
Major: Plant Pathology  
Dissertation: The Population Structure of Phyllosticta citricarpa and Seasonal Dynamics of Phyllosticta spp. in Floridian Citrus Grove  
Dissertation Chair: M. M. Dewdney  
Dissertation Co-chair: J. A. Rollins

Liyuan Zhang  
Major: Statistics  
Dissertation: Trace Class Markov Chains for Bayesian Shrinkage Models  
Dissertation Chair: K. Khare

Long Zhang  
Major: Physics  
Dissertation: Density Functional Theory plus Dynamical Mean Field Theory Calculation for Transition Metal Oxides  
Dissertation Chair: H. P. Cheng

Wei Zhang  
Major: Mathematics  
Dissertation: Accelerated Bundle Level Type Methods for Large Scale Convex Optimization  
Dissertation Chair: Y. Chen  
Dissertation Co-chair: G. Lan

Xiaowen Zhang  
Major: Geology  
Dissertation Chair: T. S. Bianchi

Yuanxin Zhang  
Major: Design, Construction, and Planning  
Minor: Statistics  
Dissertation: Preliminary Cost Estimation of Public Transportation Projects Using Data-Driven Based Methods  
Dissertation Chair: R. E. Minchin Jr.

Chunchun Zhao  
Major: Computer Engineering  
Dissertation: Cache Efficient Algorithms for Bioinformatics  
Dissertation Chair: S. K. Sahni
Guannan Zhou  
**Major:** Medical Sciences—Physiology and Pharmacology  
**Dissertation:** Ventral Respiratory Column Expiratory Neurons Participation in the Fictive Swallow in the Cat  
**Dissertation Chair:** P. W. Davenport

Yao Zhou  
**Major:** Geography  
**Dissertation:** Estimating Spatial Characteristics of Precipitation Associated with Tropical Cyclones Originating from the North Atlantic Ocean  
**Dissertation Chair:** C. J. Matyas

Yue Zhou  
**Major:** Chemistry  
**Dissertation:** Pyruvate Dehydrogenase Couples the Biosynthesis of Indole-Containing Pheromones to Primary Metabolism in C. Elegans  
**Dissertation Chair:** R. A. Butcher

Qiang Zhu  
**Major:** Horticultural Sciences  
**Dissertation:** Potassium and Phosphorus Fertilizer Recommendations for Implementation of Best Management Practices for Tomato in Calcareous Soils  
**Dissertation Chair:** M. Ozores-Hampton  
**Dissertation Co-chair:** Y. Li

Yu Zhu  
**Major:** Chemistry  
**Dissertation:** Novel Pi-Conjugated Architectures for Applications in Supramolecular Chemistry and Materials  
**Dissertation Chair:** R. K. Castellano

Yun Zhu  
**Major:** Electrical and Computer Engineering  
**Dissertation:** Enabling Technologies for Next-Generation Wireless Networks  
**Dissertation Chair:** D. Wu

Ioannis Ziogas  
**Major:** Political Science  
**Dissertation:** State Emergence and Interstate Conflict: Determinants and Effects of New State Behavior  
**Dissertation Chair:** L. E. Sjoberg
Doctor of Education

Joanne Robin Barrett
Major: Curriculum and Instruction
Dissertation: A Middle School Intervention on Student Perceptions about Computer Science
Dissertation Chair: A. D. Ritzhaupt

Sarah C. Fornero
Major: Curriculum and Instruction
Dissertation: Factors Associated with Student Departure from Entirely Online Master’s Degree Programs
Dissertation Chair: S. Kumar

Theresa Ann Greenbaum
Major: Higher Education Administration
Dissertation: Technobiographies Qualitative Stories Examining the Intersection of Age, Class, and Technology Identity within the Community College Baby Boomer Population
Dissertation Chair: D. F. Campbell
Dissertation Co-chair: C. Haynes

Margie Burke Hensler
Major: Higher Education Administration
Dissertation: The Impact of International Service Learning on Community College Students Self-Authorship
Dissertation Chair: D. A. Kramer

Debra Ann Ingersoll
Major: Educational Leadership
Dissertation: Elementary Principal’s Knowledge and Support of Student Homelessness
Dissertation Chair: L. S. Behar-Horenstein
Dissertation Co-chair: L. B. Eldridge

Sharda L. Jackson Smith
Major: Educational Leadership
Dissertation: An Examination of Assessed Valuation to Income for Funding Public Education in Florida
Dissertation Chair: R. C. Wood

Desiree Elizabeth LoScalzo
Major: Curriculum and Instruction
Dissertation: Evolving Understandings and Uses of Culturally Relevant Literature by Rural Head Start Teachers in a Professional Learning Community
Dissertation Chair: E. Bondy

Ayola M. Singh-Kreitz
Major: Higher Education Administration
Dissertation: In the Search for Greatness: A Case Study on Understanding Service Quality in Higher Education IT
Dissertation Chair: J. C. Ortagus

Amy Lee Valente
Major: Curriculum and Instruction
Dissertation: Exploring the Implementation of Online Business Degree Programs in Community Colleges
Dissertation Chair: S. Kumar

Rita M. Vasquez
Major: Curriculum and Instruction
Dissertation: De-Normalizing Normal: Principal Leadership for Educational Equity
Dissertation Chair: E. Bondy

Paul Benjamin Causey Wolff
Major: Curriculum and Instruction
Dissertation: Self-Determined Gamification in an Online Web Portal: Employee Performance and Perceptions
Dissertation Chair: S. Kumar
**Doctor of Audiology**

McKenna C. Bellamy
Troy Jared Dyer
Andrea K. Gohmert
Michele Burnson Hand
Philippa Ellen James
Cecile Rossetti
Alisha G. Severson

**Doctor of Business Administration**

Thomas Richard Arnold
Brent A. Berthy
Jennifer M. Cainas
Jamey Austin Darnell
Shalini Sabharwal Gopalakrishnan
Brian Keith Hasson
James Hendry Hoover
Jose Luis Castro Iglesias
Kurt Christian Jacobs
Enrique Paul Lacayo
Anthony Daniel Sanor
David E. Spohn
Jason Robert Thogmartin
Steven Dale Tufts

**Doctor of Nursing Practice**

Kathleen Newbold Adragna
Joanna Marie McLaughlin
Jennifer Ann Powell
Susan Marie Straub

**Professional Degrees**

**The Fredric G. Levin College of Law**

Dean Laura A. Rosenbury

**Juris Doctor**

Joshua W. Degler
Ian Nelson Perkovich
Anjali D. Sharma
Brianna Kacie Kolota
James F. Tyer V *

**The College of Pharmacy**

Dean Julie A. Johnson

**Doctor of Pharmacy**

Kizito Oluwatosin Adejumo
Iroro O. Akpovi
Jyotiben Arya
Suzette Clair Blake
Timothy R. Bormann
Jill R. Bourdage
Nilubol Y. Cencula
Katherine Marie Coleman
Dalia Elkabibi
Lilia M. Gutsul
Derek T. Hettinger
Chi-Mei Hwang
Niramol Kitsawadi
Sasirekha Kumar
Susan Evelyn Laird
Diane Marie Lawson
Kim Le
Brian D. Lynch
Yolanda D. McElroy
Christine J. Nelson
Laura A. Nix
Maria Nerissalene Madlambayan Perez
Heera Persaud
Scott C. Preische
Lysette C. Rhine
Marie-Claire Lise Savoie
Peter S. Shehata
Jay C. Swerblow
Ayodelle Nayo Rosa Syphax
Jennifer Thao Tran
Nwanne Umazi Udeagha
Benjamin J. Wood

*Cum Laude  **Magna Cum Laude  ***Summa Cum Laude  (Cum Laude, Magna Cum Laude and Summa Cum Laude are tentative and subject to final grades)
What Makes a University Great?

Some interesting facts about the University of Florida

Educational Excellence

UF is consistently ranked among the nation’s top universities: No. 14 in U.S. News & World Report “Top Public Universities” (2016); No. 3 on the Forbes’ list of Best Value Public Universities (2017); No. 1 on Value Colleges’ list of Top 50 Best Value Colleges (2016); and No. 1 on the Times Higher Education list of best public universities for employers to find new hires.

Faculty

• UF has nearly 5,000 faculty members with distinguished records in teaching, research and service, including 36 Eminent Scholar chairs and 45 faculty elections to the National Academy of Sciences, Engineering, the Institute of Medicine or the American Academy of Arts and Sciences.

• Awards include two Pulitzer Prizes, NASA’s top award for research, and the Smithsonian Institution’s conservation award.

Students

• Ninety-seven percent of incoming freshmen score above the national average (1500/21) on standardized exams. Students admitted for the fall 2017 freshman class had an average 4.4 GPA and an average SAT score of 1355.

• More than 1,285 International Baccalaureate students were enrolled in UF in March 2016. The freshman retention rate of 96 percent is among the highest in the country.

• UF awards more professional degrees to African American, Hispanic and other minority students than any other public university in the Association of American Universities (2014-15).

• Sixty-seven percent of UF full-time freshmen graduate in four years (2011-12 cohort), and 87 percent of UF freshmen graduate within six years (2009-10 cohort).

• Fifty-seven percent of UF graduates leave the university with no student-loan debt. For the remaining students, their average indebtedness is about $21,603, as compared with the national average of over $30,000 (2015-16).
Chain of Office

This custom-made ornament is worn with the president’s regalia, symbolizing the authority and responsibilities of the office. The chain is engraved with the names and service years of the university presidents. The medallion’s centerpiece is a 1.3-carat diamond.

Academic Mace

Dating back to the Middle Ages, the mace symbolizes strength and authority. The UF ceremonial mace was created for the university’s sesquicentennial celebration in 2003. The 70-inch staff features an alligator sitting atop a globe. The four pillars supporting the globe represent the four original colleges: Agriculture, Engineering, Law, and Liberal Arts. The staff is carved from cherry wood. The university’s chief marshal, who leads all academic processions, carries the mace.

Diplomas

Diplomas will be mailed to the graduate’s permanent home mailing address in September 2017.
Caps and Gowns, An Explanation

The academic regalia worn by graduating students and faculty at today's commencement ceremonies evolved from a style of dress worn by members of guilds and religious orders in medieval times. The academic gown is worn by individuals who have earned a degree in higher education. In addition, hoods are worn by graduate degree candidates, but not by undergraduate degree candidates.

At the University of Florida, the lining of the hood has a blue chevron on an orange background to represent the university colors. University faculty members who hold degrees from another college or university wear the colors of their alma mater.

The velvet edging on the academic hood is the color that represents the particular degree held by the wearer. Agricultural and Life Sciences and Forest Resources and Conservation share maize edging; Design, Construction and Planning and Building Construction are blue violet; Audiology degrees have colonial blue edging; Business Administration and Accounting are drab; Dentistry is lilac; Education is light blue; Engineering degrees are represented by orange edging; Fine Arts degrees have brown edging; Health and Human Performance is sage green; Journalism and Communications is garnet; Law is purple; Liberal Arts is white and Liberal Sciences is gold yellow; Medicine is green; Music is pink; Natural Resources and Environment is antique gold; Nursing is apricot; Doctor of Pharmacy is olive; Philosophy is royal blue; Public Health degrees have salmon pink edging; Rehabilitation Counseling degrees have Nile green edging; and Veterinary Medicine is gray.

Distinctions among sleeves indicate the type of degree held by the wearer. A long, pointed sleeve indicates a bachelor’s degree, while a long, closed sleeve with a slit near the upper part of the arm designates a master’s degree. A round, open sleeve identifies a doctoral degree.

The doctoral regalia also has velvet running on the rest of the gown, including cross bars on the sleeve. Colored tassels on the degree candidates’ caps indicate a candidate’s school or college.
Alma Mater

Florida, our Alma Mater
Thy glorious name we praise
All thy loyal sons and daughters
A joyous song shall raise.
Where palm and pine are blowing,
Where southern seas are flowing,
Shine forth thy noble Gothic walls,
Thy lovely vine-clad halls.
Neath the Orange and Blue victorious
Our love shall never fail.
There’s no other name so glorious—
All hail, Florida, Hail!

Milton Yeats